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XA - C1993-057022

XIC - A61K-037/02 ; A61K-037/465 ; C12N-009/64 ; C12N-015/57

AB - J05064588 A human protein C or an activated protein C has a H chain contg. one of 239-246th aminoacids in the H chain of natural activated protein C as the C-terminal or having a L-chain contg. one of 141-155th aminoacids pref. 149-155th aminoacids in the L chain of natural activated (I) as the C-terminal.

- USE/ADVANTAGE - The (I) or the activated (I) can be used as an anticoagulant agent or as a fibrinolysis promotor.

- In an example, recombinant (I) is prep'd. by the method described in J.P. Laid-open No.65084/89. The recombinant (I) soln. is concentrated by ultrafiltration and dialysed. It is mixed with bovine thrombin and incubated and the resultant activated (I) is purified by a cation exchange resin column (S-Sepharose Fast Flow column). The aminoacid sequence of the peptide isolated in the activation of (I) is determined by an ultrafiltration and a HPLC. C-terminal sequence of the H chain of the activated (I) is analysed by a sepn. of H chain from L chain and an ultrafiltration and a reversed phase liquid chromatography (Poly-F column). (Dwg.0/0)

IW - HUMAN PROTEIN ACTIVATE PROTEIN SHORT CHAIN USEFUL ANTI CLOT AGENT
FIBRINOLYTIC PROMOTE

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NC - 001

OPD - 1991-08-14

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PAW - (TEIJ) TEIJIN LTD

TI - Human protein C and activated protein C with short H chains - useful as anti-clotting agents and fibrinolysis promoters